



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
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www.miamidade.gov/economy

Pella Corporation
102 Main Street
Pella, IA 50219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "350 HurricaneShield® Vinyl" 4½" White PVC Fixed Shapes – L.M.I.

APPROVAL DOCUMENT: Drawing No. PELL0031, titled "Series 350 4-½" Vinyl Fixed Shaped Window – Impact", sheets 1 through 11 of 11, dated 12/03/12, prepared by PTC Product Design Group, LLC, dated 12/11/12, signed and sealed by Robert J. Amoruso, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
3/5/13

NOA No. 12-1219.04
Expiration Date: March 14, 2018
Approval Date: March 14, 2013
Page 1

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **PELL0031**, titled "Series 350 4-½" Vinyl Fixed Shaped Window – Impact", sheets 1 through 11 of 11, dated 12/03/12, prepared by PTC Product Design Group, LLC, dated 12/11/12, signed and sealed by Robert J. Amoruso, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of fixed window, prepared by Element Materials Technology Des Moines, Test Report No. **ESP010156.2 Dade**, dated 08/01/12, signed and sealed by Jason R. Steen, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 09/17/12, prepared by PTC Product Design Group, LLC, dated 10/18/12, signed and sealed by Robert J. Amoruso, P. E.
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0830.09** issued to Mikron Industries, Inc. for "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 10/06/11, expiring on 12/26/16.

F. STATEMENTS

1. Statement letter of no financial interest, independence, conformance and complying with **FBC-2010**, issued by PTC Product Design Group, LLC, dated 12/11/12, signed and sealed by Robert J. Amoruso, P. E.
2. Laboratory compliance letter for Test Report No. **ESP010156.2 Dade**, issued by Element Materials Technology Des Moines, dated 08/01/12, signed and sealed by Jason R. Steen, P. E.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-1219.04
Expiration Date: March 14, 2018
Approval Date: March 14, 2013

PELLA CORPORATION

SERIES 350 4 1/2" VINYL FIXED SHAPED WINDOW - LMI

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN AS FOLLOWS.
 - IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE - SECTIONS 1609.1.2, 1626, 1715.5.2 AND 1715.5.4 AND 2411.3 AND TO THE 2010 FLORIDA RESIDENTIAL CODE - SECTIONS R301.2.1.2, R612.6 AND R612.10 AND R4410.2.3.
 - PERFORMANCE STANDARDS:
 - TAS 201-94, LARGE MISSILE IMPACT.
 - TAS 202-94.
 - TAS 203-94.
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ESP010156.2 DATED 08/01/12 AND ASSOCIATED LABORATORY STAMPED DRAWINGS BY ELEMENT MATERIALS TECHNOLOGY, DES MOINES, IA. TESTING WAS CONDUCTED TO TAS 201-94, TAS 202-94 AND TAS 203-94.
- THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THE FOLLOWING:
 - HIGH VELOCITY HURRICANE ZONE (HVHZ):
 - LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE:
 - THESE WINDOWS MEET LARGE MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC, SECTION 2411.3.3.7 AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM.
 - SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS EXCEEDING 30 FEET ABOVE GRADE:
 - THESE WINDOWS MEET SMALL MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC SECTION 2411.3.3.7 WHEN GLAZED ON THE EXTERIOR USING SAFETY GLAZING AND DO NOT REQUIRE USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM.
 - WINDBORNE DEBRIS AREAS OUTSIDE THE HIGH VELOCITY HURRICANE ZONE(NON-HVHZ):
 - WHEN INSTALLED IN LOCATIONS WHERE NON-HVHZ WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT DOES NOT REQUIRE USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM.
- SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- BOUNDING BOX DIMENSIONS FOR GEOMETRIC FIXED WINDOW SHAPES MUST BE EQUAL TO OR LESS THAN RECTANGULAR DIMENSIONS SHOWN HEREIN.
- MATERIAL CERTIFICATIONS:
 - WINDOW FRAME MATERIAL :VINYL (PVC).
 - LAMINATED GLAZING INTERLAYERS.
 - DUPONT SENTRYGLAS INTERLAYER MATERIAL.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
- DESIGNATION "O" STANDS FOR FIXED LITE SASH
- THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR ON THE PRODUCT'S CERTIFICATION SHALL CONTROL FOR THE INSTALLED WINDOW ASSEMBLY.
- THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

INSTALLATION NOTES:

- PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
- SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
 - EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
 - MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
- SEE SHEETS 6, 7 and 8 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH THE TABLES ON SHEET 2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE TABLES ON SHEET 2 ARE ACCEPTABLE.
 - SEE ADDITIONAL NOTES ON SHEET 2.
- MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
 - FOR BLOCK, FIN & FLANGE FRAME INSTALLATIONS, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR.
- FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 2.

SEE SHEET 2 FOR DESIGN PRESSURES.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS
2	ANCHOR SCHEDULES AND DP CHART
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6 - 8	INSTALLATION SECTIONS
9	GLAZING DETAILS
10	APPROVED GEOMETRIC SHAPES
11	BILL OF MATERIAL AND COMPONENT DETAILS

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY: DATE: 12/03/12

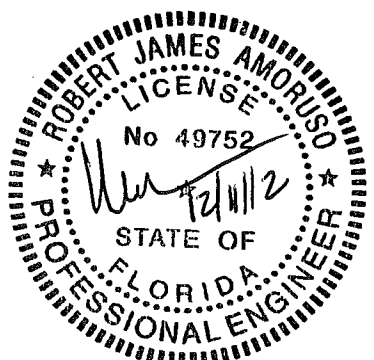
DRAWN BY: JBH SCALE: N.T.S. DRAWING NO: PELL0031

REV: - SHEET: 1 OF 11

PTC PRODUCT DESIGN GROUP, LLC
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Approved as complying with the
Florida Building Code
Date: 12-3-12
NOAH
Miami Code Product Control
By: [Signature]

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



SERIES 350 FIXED GEOMETRICALLY SHAPED WINDOW INSTALLATION REQUIREMENTS								
Max. Size Tested	Design Pressure (PSF)	Substrate	Installation Type	End Spacing All corners	Quantity of Anchors at Head & Sill	Center to Center Spacing Head & Sill*	Quantity of Anchors at Jambs	Center to Center Spacing Jambs*
51-3/4" x 108" SPRINGLINE	+60/-65	Wood/Concrete/CMU/Metal **	Clip or Thru-Frame	6"	As Required Based on Spacing	9"	As Required Based on Spacing	8.375"
51-3/4" x 108" ARCH HEAD	+60/-65	Wood/Concrete/CMU/Metal **	Clip or Thru-Frame	6"	As Required Based on Spacing	9"	As Required Based on Spacing	8.375"
95-1/2" x 58-1/2" ARCH HEAD	+60/-65	Wood/Concrete/CMU/Metal **	Clip or Thru-Frame	6"	As Required Based on Spacing	8.375"	As Required Based on Spacing	9"

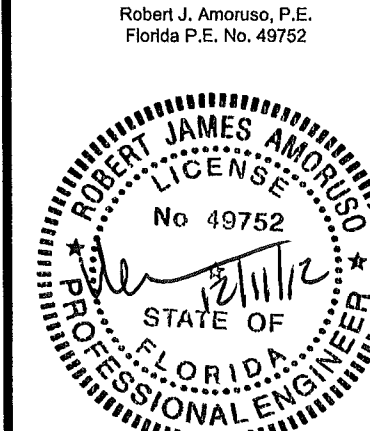
INSTALLATION ANCHOR SCHEDULE							
INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON
INSTALLATION CLIP OR THRU-FRAME	FLAT OR HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/8"	1"	MIN. 2500 PSI CONCRETE
				ELCO CRETE-FLEX SS4	2"	2"	MIN. 2500 PSI CONCRETE
				HILTI KWIK-CON II	1-3/4"	1-1/8"	MIN. 2000 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
				ELCO ULTRACONS	1-1/4"	1"	
				ELCO CRETE-FLEX SS4	1-1/4"	2"	
				HILTI KWIK-CON II	1"	1-1/8"	
INSTALLATION CLIP, INSTALLATION CLIP - BENT OR THRU-FRAME	FLAT OR PAN HEAD	NO. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2)	1-3/8"	3/4" LATERAL 1/2" WITHDRAWAL (3)	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2)			
			20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	ASME B18.6.4 (TAPPING SCREW)	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	5/16"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. A-36 STEEL OR BETTER	ASME B18.6.4 (TAPPING SCREW)		5/16"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. 6063-T5 ALUMINUM OR BETTER	ASME B18.6.4 (TAPPING SCREW)		3/8"	6063-T5 ALUMINUM OR BETTER

NOTES:
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.
2) FOR WOOD AND TAPPING SCREWS INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 7/64" PILOT HOLE FOR LATERAL APPLICATIONS AND 3/32" FOR WITHDRAWAL APPLICATIONS. SEE NOTE 3 BELOW FOR FURTHER DEFINITION.
3) LATERAL IS APPLICABLE TO INSTALLATION CLIP AND THRU-FRAME; WITHDRAWAL IS APPLICABLE TO INSTALLATION CLIP - BENT.

*** ANCHOR SPACING IS BASED ON THE FOLLOWING:**
1) FOR WINDOWS RECTANGULAR IN SHAPE WITH LONG SIDE/SHORT RATIO > 1.5, LONG SIDE SPACING IS 8.375" AND SHORT SIDE SPACING IS 9".
2) FOR WINDOWS RECTANGULAR IN SHAPE WITH LONG SIDE/SHORT RATIO < 1.5, LONG AND SHORT SIDE SPACING IS 9".
3) FOR NON-RECTGULAR SHAPED WINDOWS SPACING IS 9". THIS INCLUDES CIRCLES, HALF-RADIUS, PENTAGON, OCTAGON, ETC.
**** METAL SUBSTRATES INCLUDE THE FOLLOWING:**
(a) 20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS, ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER.
(b) 1/8" MIN. THK. ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER.
(c) 0.060" MIN. THK. 6063-T5 ALUMINUM OR BETTER.

- NOTES:**
- 1. INSTALLATION ANCHOR SCHEDULE**
 - 1.1. THIS TABLE LISTS APPROVED ANCHOR SPECIFICATIONS BASED ON THE INSTALLATION TYPE AND SUBSTRATE.
 - 2. SERIES 350 FIXED GEOMETIRCALLY SHAPED WINDOW INSTALLATION REQUIREMENTS**
 - 2.1. THIS TABLE LISTS THE FOLLOWING INFORMATION.
 - 2.1.1. DESIGN PRESSURE (PSF).
 - 2.1.2. END DISTANCE (ED) OF ANCHORS AT FRAME ENDS AS DIMENSIONED ON ELEVATION DRAWINGS.
 - 2.1.3. MAXIMUM O.C. (ON CENTER) SPACING FOR ANCHORS BETWEEN THE FRAME END ANCHORS DIMENSIONED ON ELEVATION DRAWINGS.
 - 2.1.1.1. QUANTITY OF ANCHORS BASED ON MEETING THE O.C. SPACING REQUIREMENTS.
 - 2.1.2. MAXIMUM WINDOW SIZES (W x H)
 - 2.2. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
 - 2.3. FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.

Approved as complying with the
Florida Building Code
Date: 12/14/2013
NOAH
Miami Date Product Control
By: [Signature]



PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT ANCHOR SCHEDULES AND DP CHART

PREPARED BY: [Signature]

DRAWN BY: JBH

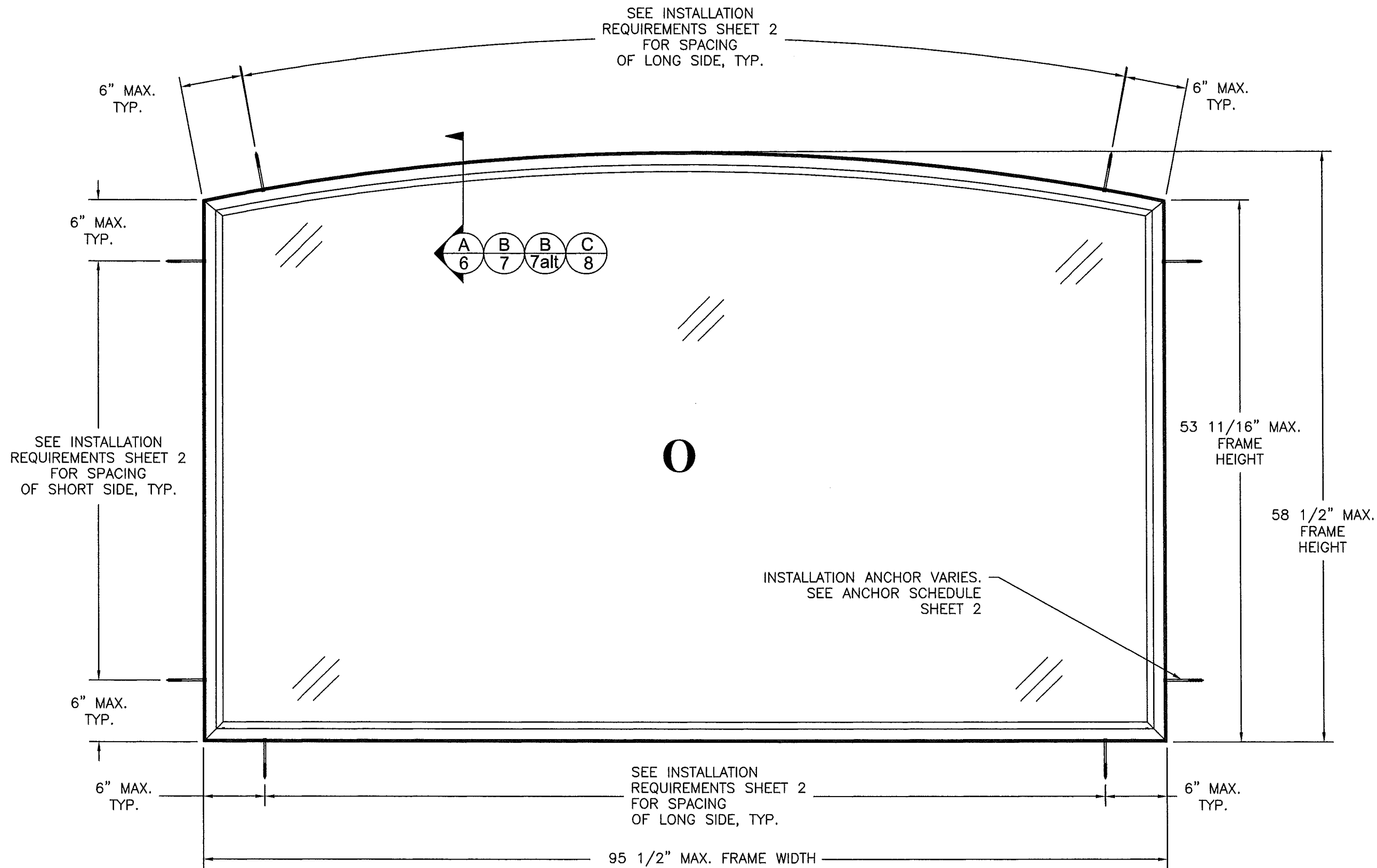
SCALE: N.T.S.

DRAWING NO: PELL0031

DATE: 12/03/12

SHEET: 2 OF 11

PTC PRODUCT DESIGN GROUP, LLC
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FBPE C.A. NO. 25935



SERIES 350 VINYL FIXED SHAPED WINDOW
95-1/2" x 58-1/2" ARCH HEAD

EXTERIOR VIEW

BOX FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED
 SEE SHEET 10 FOR APPROVED GEOMETRIC SHAPES

PROJECT # 411-1201.09

PELLA CORPORATION
 102 MAIN STREET
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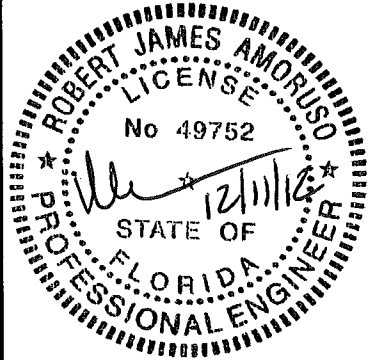
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
 95-1/2" x 58-1/2" ARCH HEAD ELEVATION & ANCHORING LAYOUT

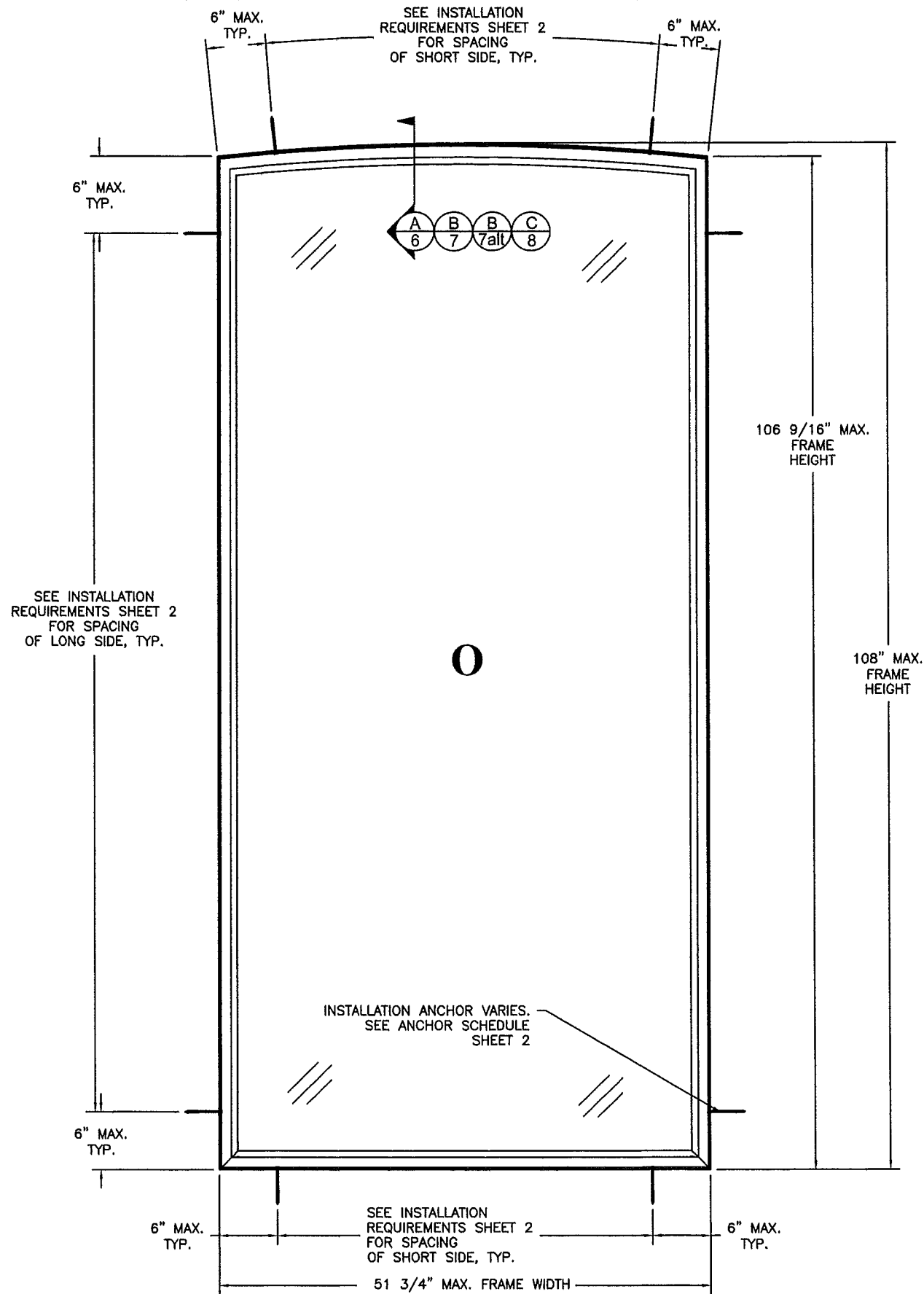
PREPARED BY: JBH
 DATE: 12/03/12
 SCALE: N.T.S.
 DRAWING NO: PELL0031
 REV: -
 SHEET: 3 OF 11



Approved as complying with the
 Florida Building Code
 Date: 8/31/12
 NOA#: 12-1219-04
 Miami Dade Product Control
 By: [Signature]

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752





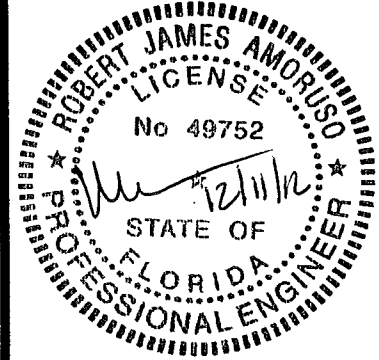
SERIES 350 VINYL FIXED SHAPED WINDOW
51-3/4" x 108" ARCH HEAD

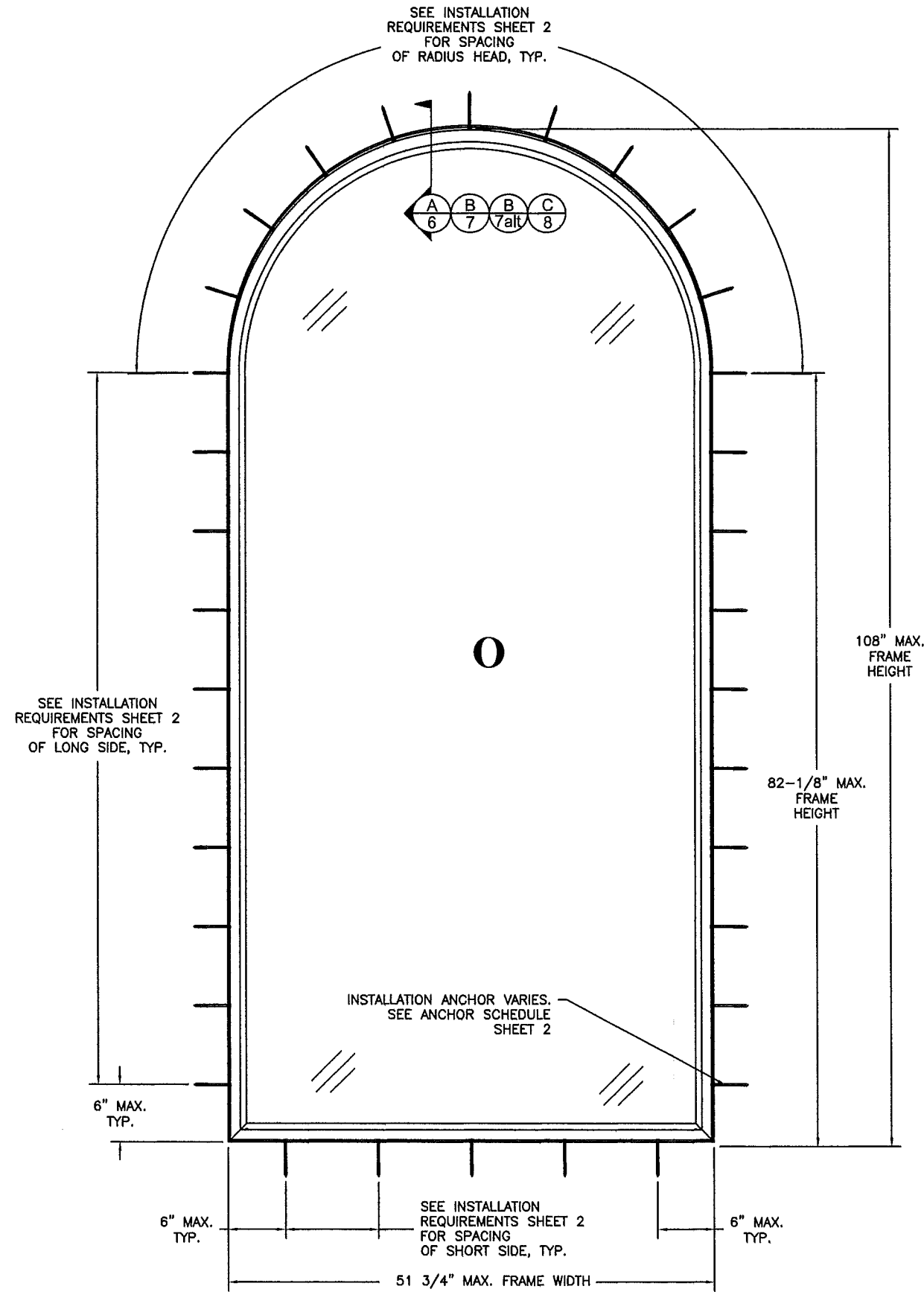
EXTERIOR VIEW
BOX FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED
SEE SHEET 10 FOR APPROVED GEOMETRIC SHAPES

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219			PROJECT # 411-1201.09		
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT 51-3/4" x 108" ARCH HEAD ELEVATION AND ANCHORING LAYOUT					
PREPARED BY:	DRAWN BY:	DATE:	DRAWING NO:		
	JBH	12/03/12	PELL0031		
SCALE:	N.T.S.				
REV:	-		SHEET:	4 OF 11	
PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGVIEW, TX 75705 FBPE C.A. NO. 25935			Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		

Approved as complying with the
Florida Building Code
Date 12-03-12
NOA# 12-1219-04
Miami Code Product Control
By *[Signature]*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





SERIES 350 VINYL FIXED SHAPED WINDOW
51-3/4" x 108" SPRINGLINE

EXTERIOR VIEW
BOX FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED
SEE SHEET 10 FOR APPROVED GEOMETRIC SHAPES

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
51-3/4" x 108" SPRINGLINE ELEVATION AND ANCHORING LAYOUT

DATE: 12/03/12

DRAWING NO: PELL0031

SHEET: 5 OF 11

DRAWN BY: JBH

SCALE: N.T.S.

REV: -

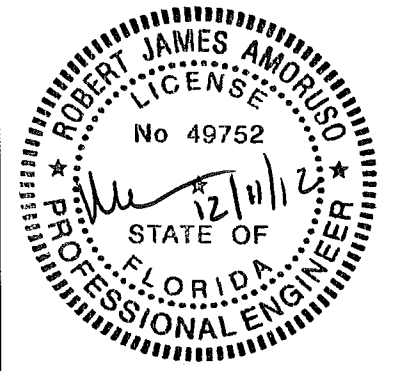
PREPARED BY:

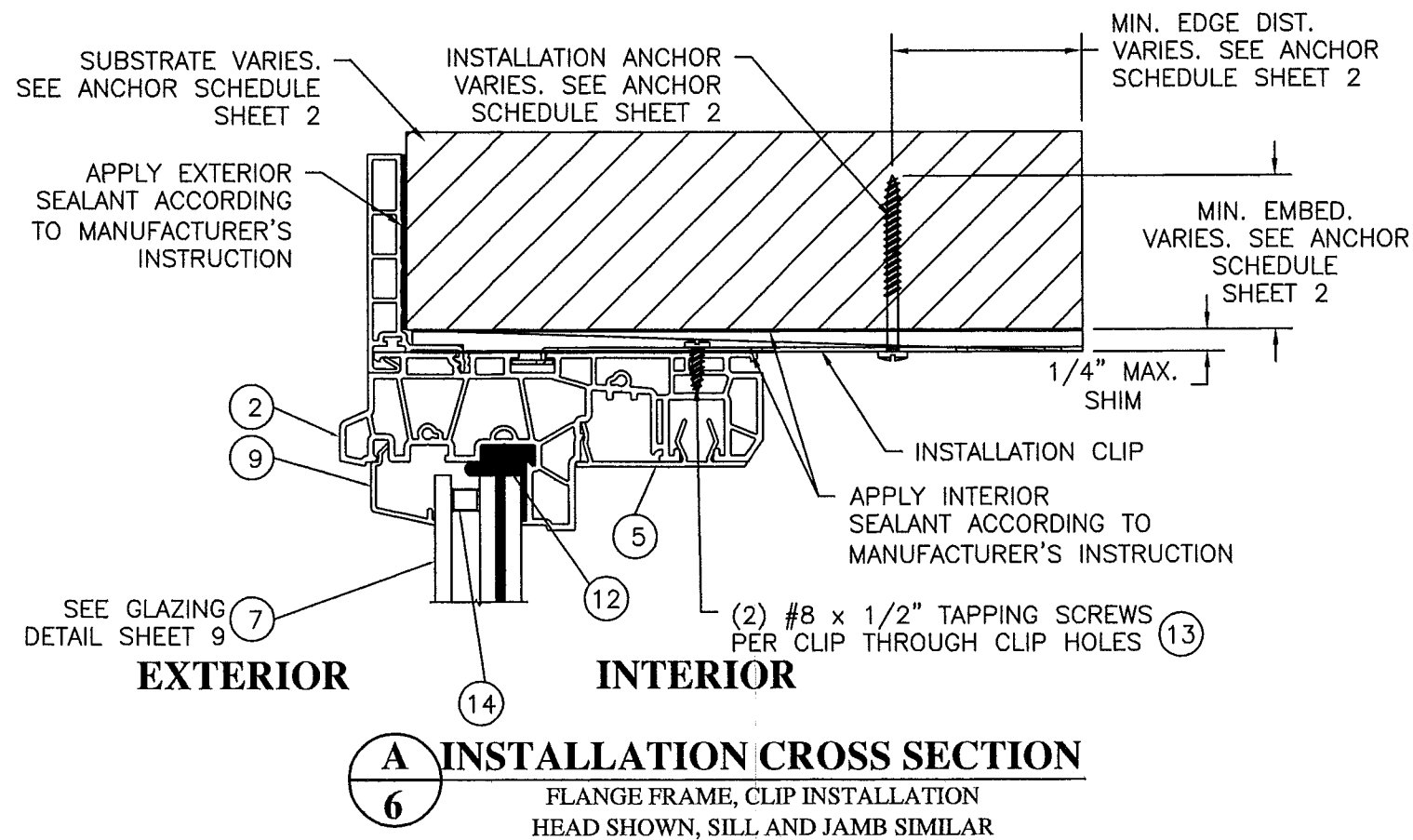
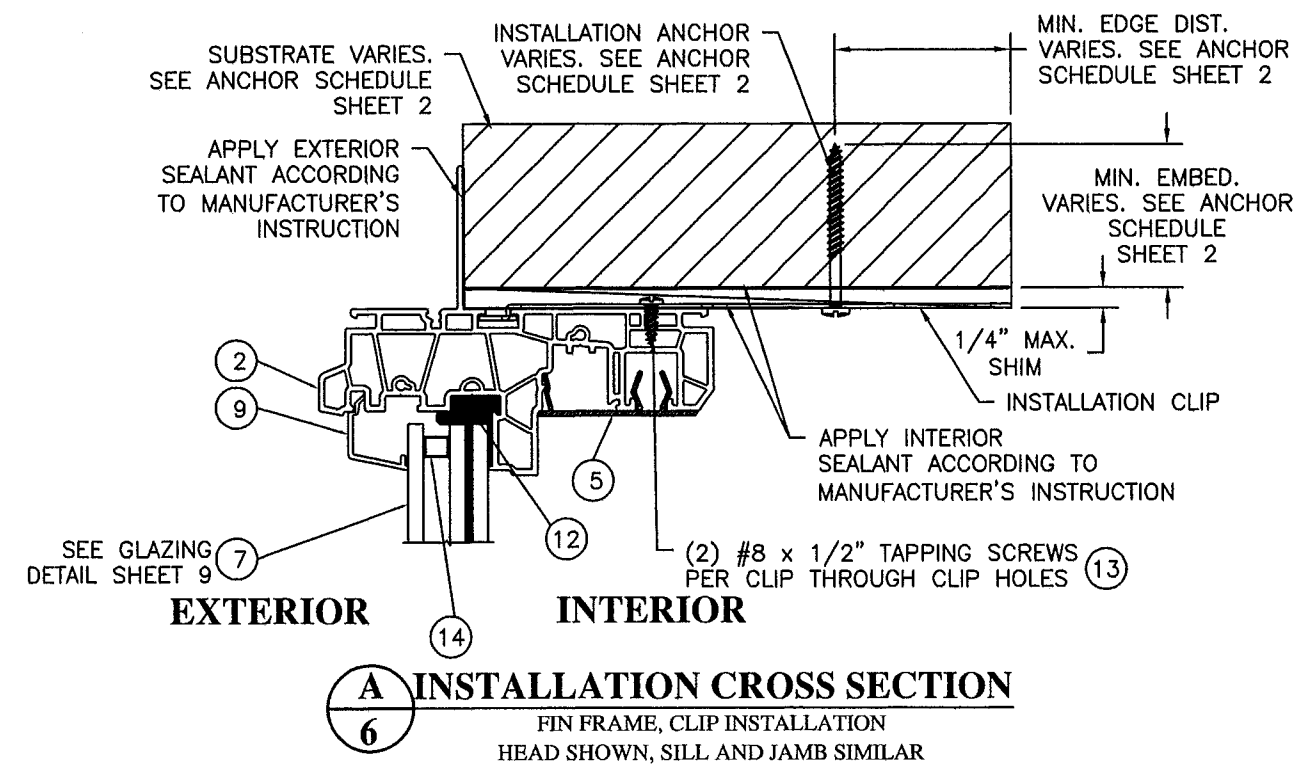
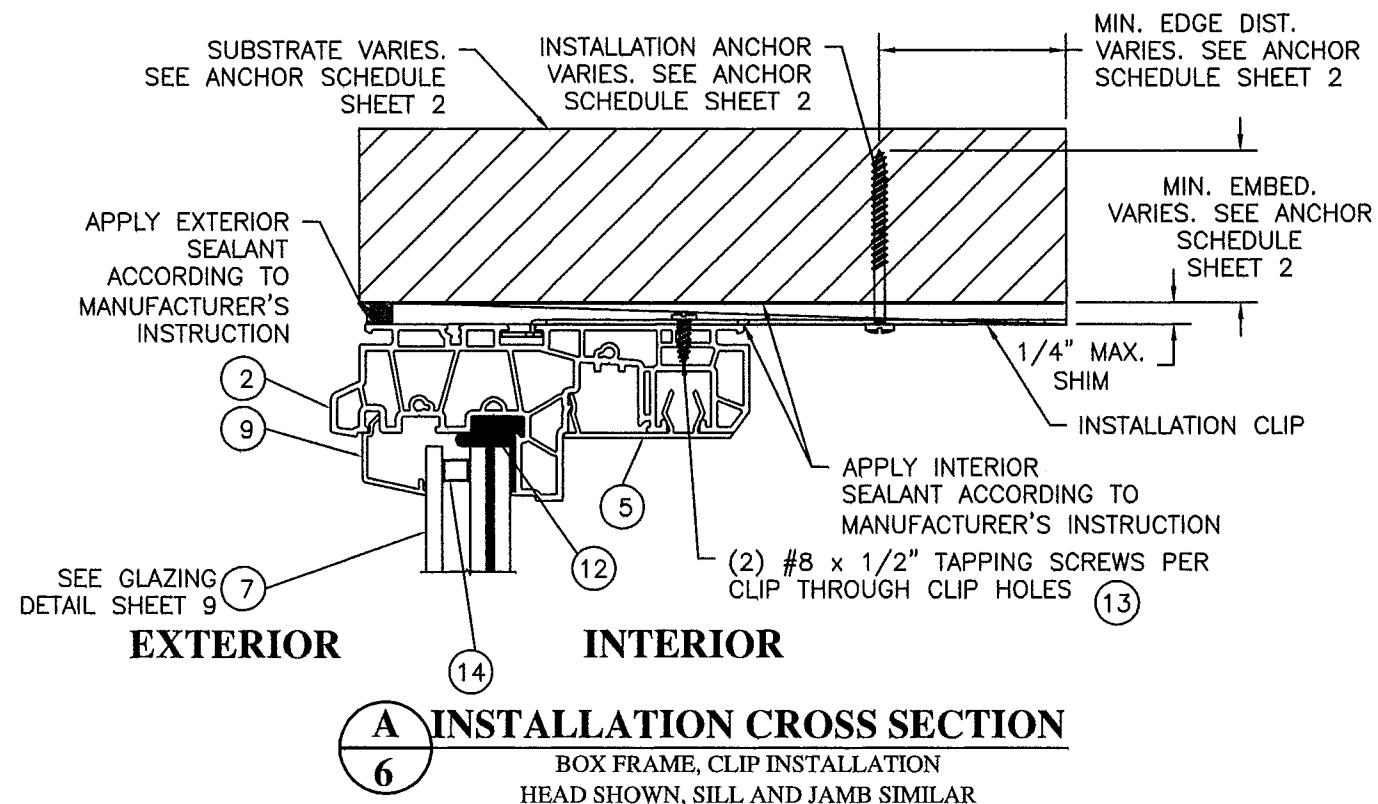
PTC PRODUCT DESIGN GROUP, LLC
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Phone: 321.690.1788
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Email: info@ptc-corp.com

Approved as complying with the
Florida Building Code
Date: 03/14/2013
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By: [Signature]

Robert J. Amoruso, P.E.
Florida P.E. No. 49752





PROJECT # 411-1201.09

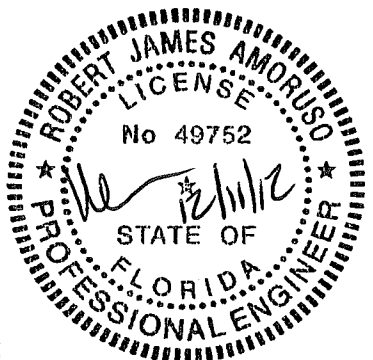
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

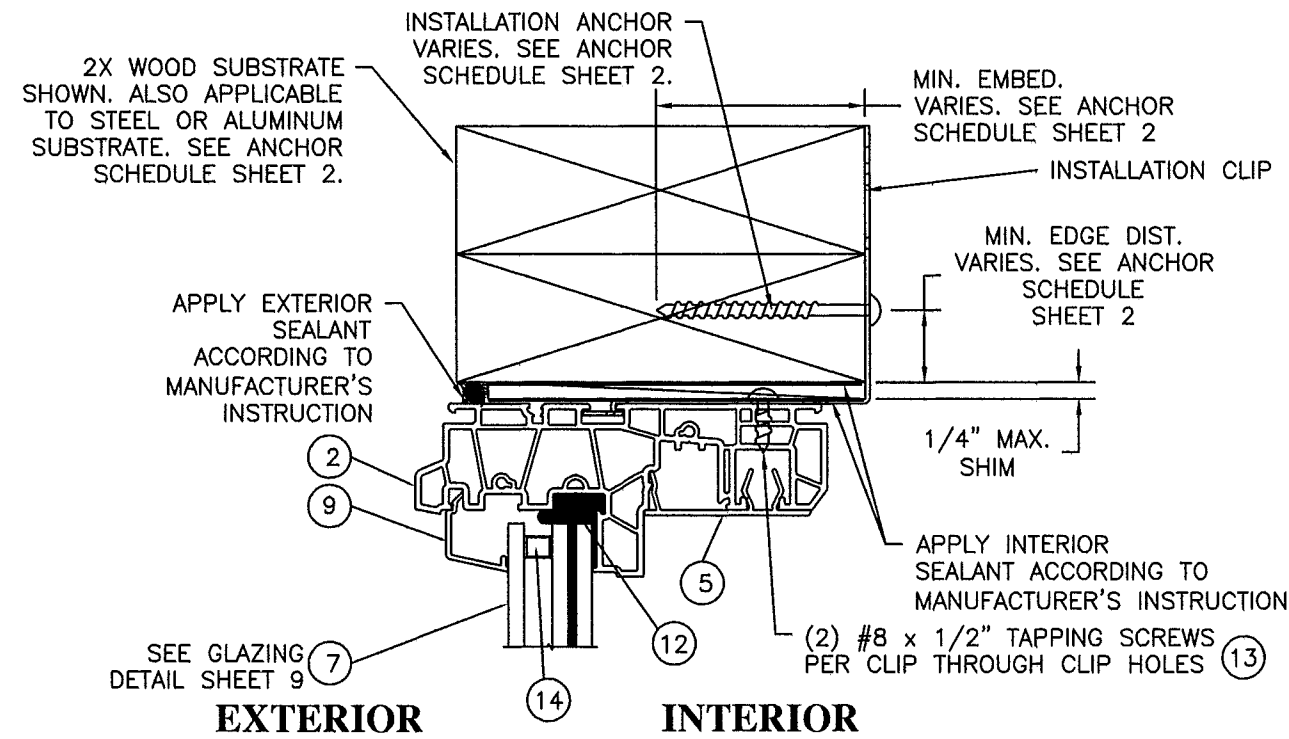
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
CLIP INSTALLATION SECTIONS

DATE: 12/03/12
DRAWING NO: PELL0031
SHEET: 6 OF 11
DRAWN BY: JBH
SCALE: N.T.S.
REV: -
PTC PRODUCT DESIGN GROUP, LLC
LONGWOOD, FLORIDA 32752
PHONE: 321.890.1788
FAX: 321.890.1789
EMAIL: info@ptc-corp.com
FBPE C.A. NO. 25935

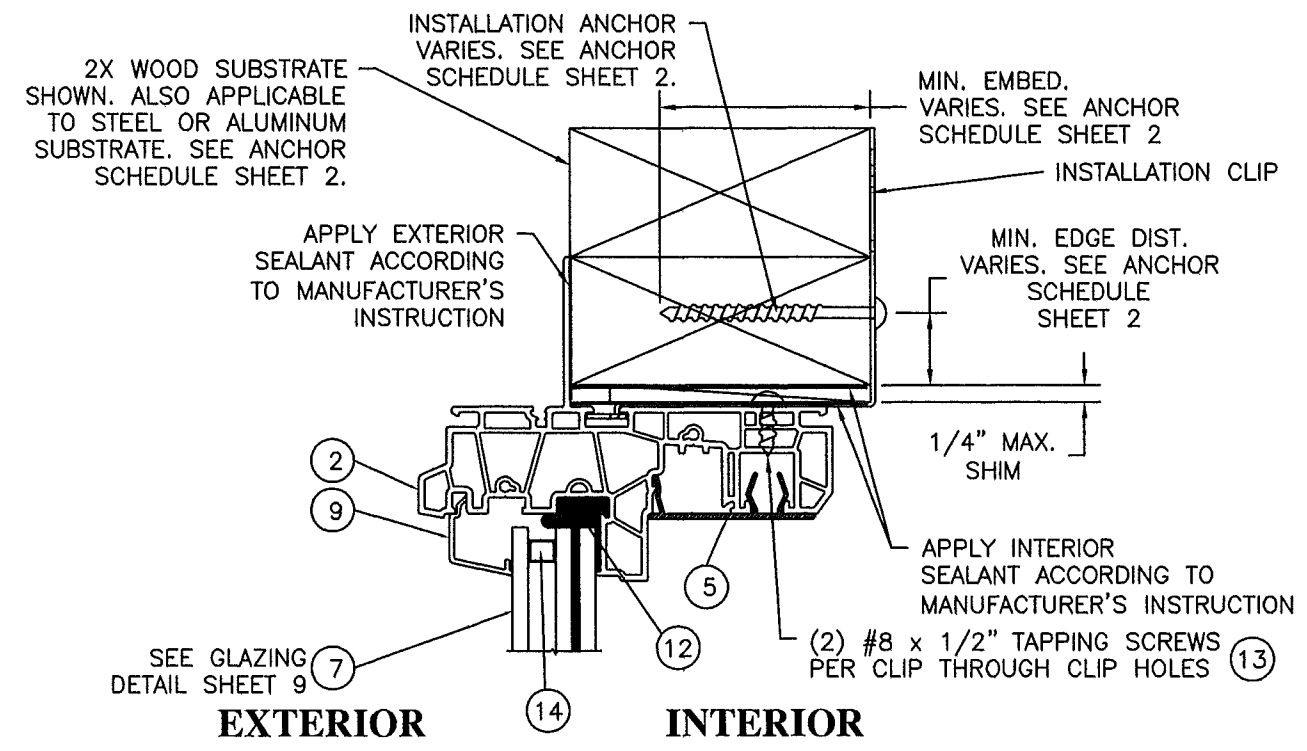
Approved as complying with the
Florida Building Code
Date: 03/14/2013
NOA# 12-1219.04
Miami Code Product Control
By: *[Signature]*

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

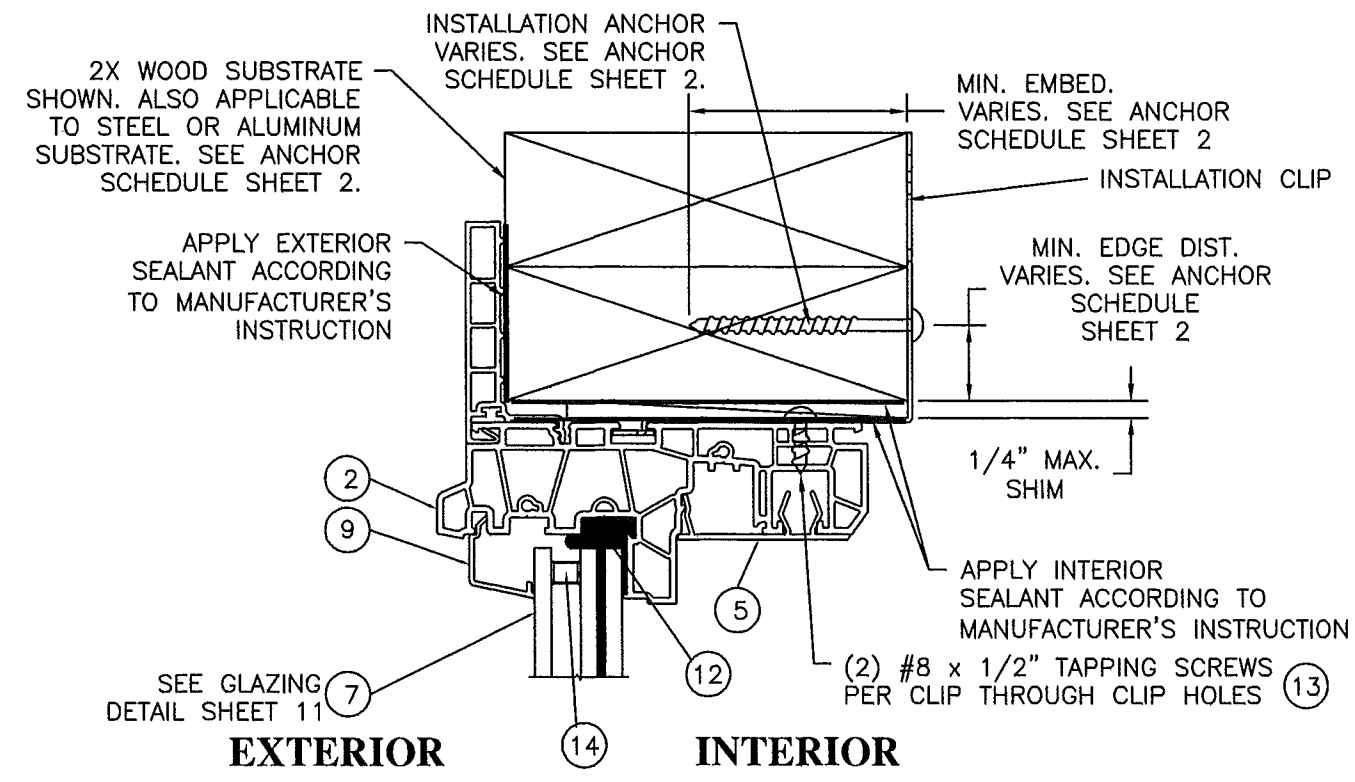




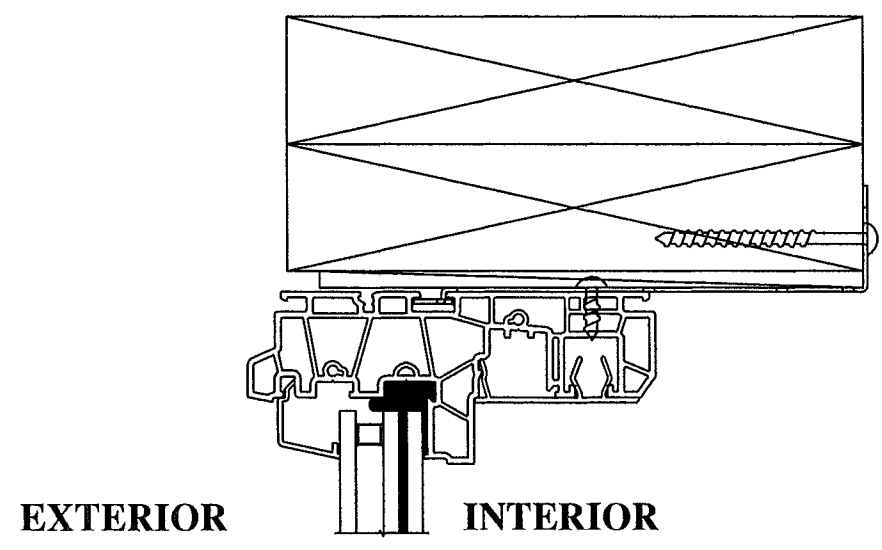
B
7 **INSTALLATION CROSS SECTION**
BOX FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR



B
7 **INSTALLATION CROSS SECTION**
FIN FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR



B
7 **INSTALLATION CROSS SECTION**
FLANGE FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR



B
7alt **ALTERNATE INSTALLATION CROSS SECTION**
BOX FRAME SHOWN
(ALSO APPLICABLE TO FIN AND FLANGE FRAME)
ALTERNATE BENT CLIP INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR
SEE OTHER B SECTIONS FOR DETAILS

PROJECT # 411-1201.09

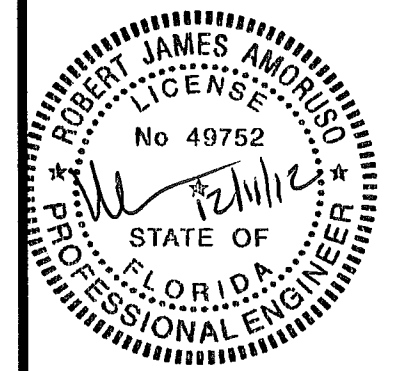
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

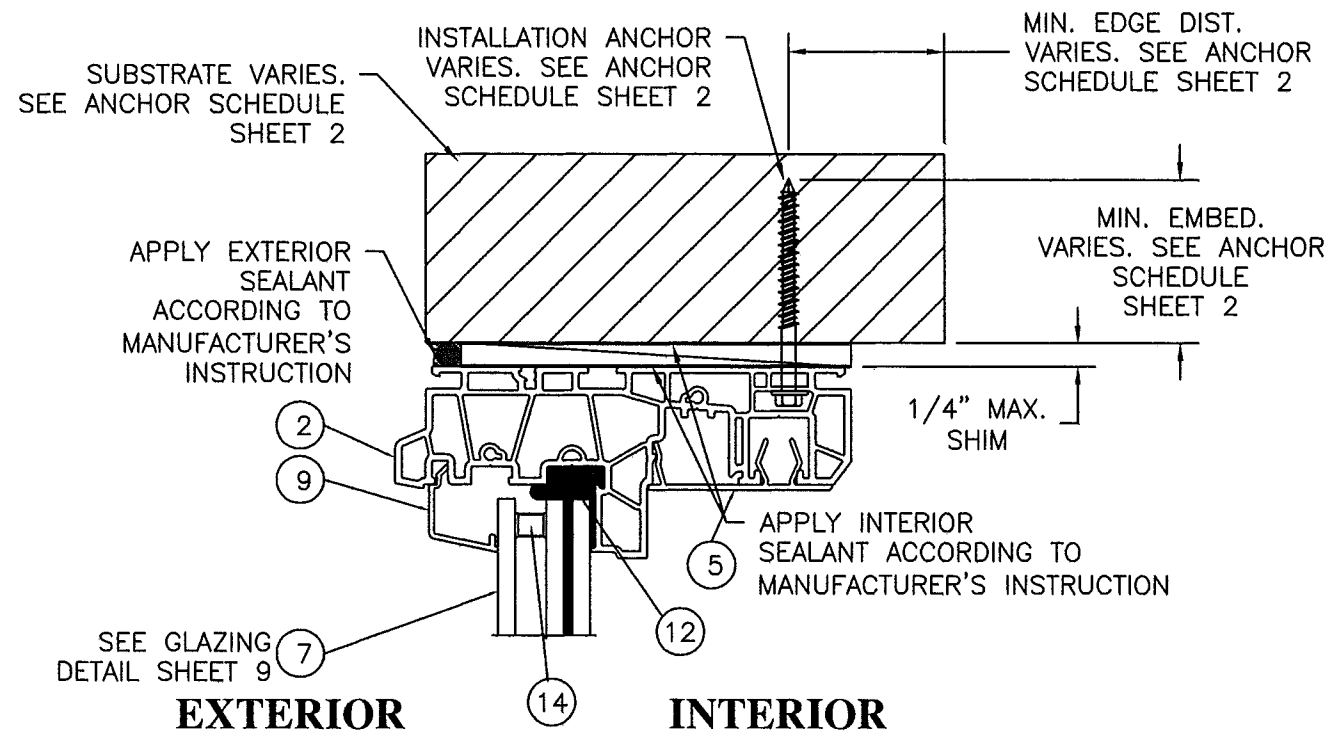
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
BENT CLIP INSTALLATION SECTIONS

DATE: 12/03/12
DRAWING NO: PELL0031
SHEET: 7 OF 11
DRAWN BY: JBH
SCALE: N.T.S.
REV: -

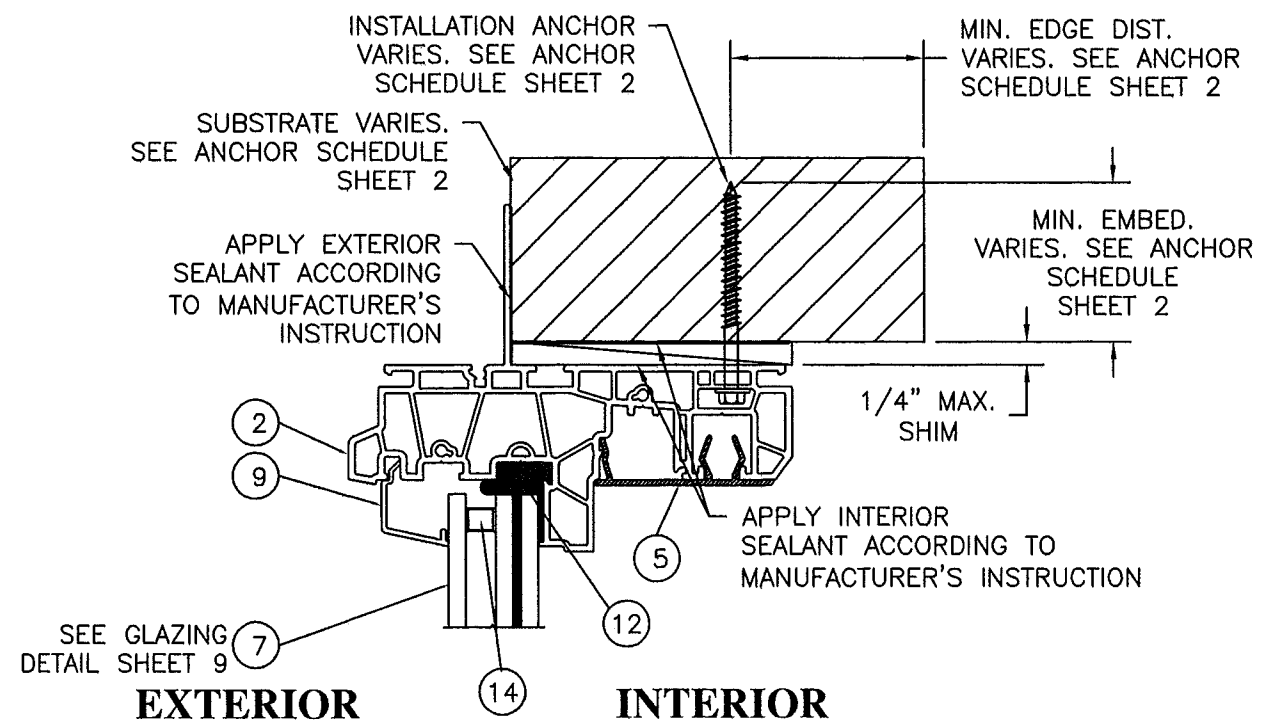
Approved as complying with the
Florida Building Code
Date: 12-12-14
NOAH
Miami-Dade Product Control
By: [Signature]

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

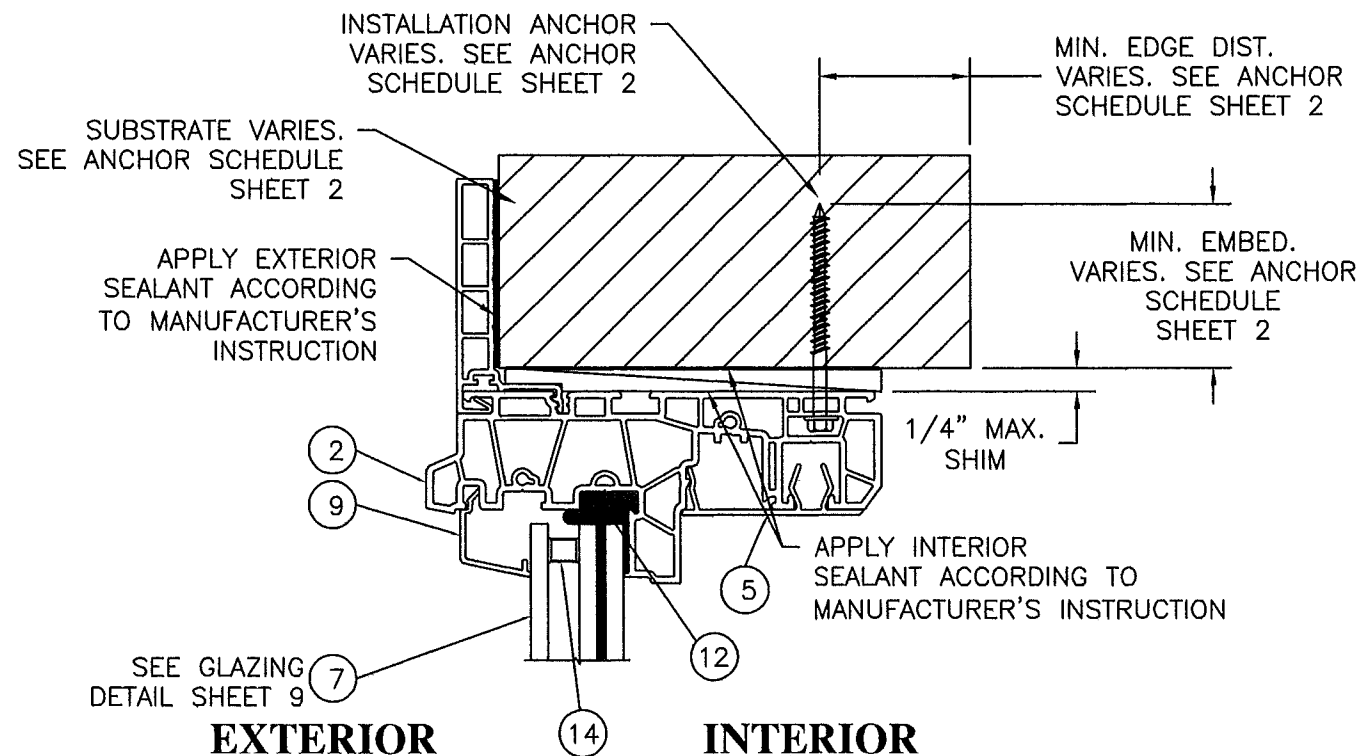




C
8 **INSTALLATION CROSS SECTION**
BOX FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR



C
8 **INSTALLATION CROSS SECTION**
FIN FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR



C
8 **INSTALLATION CROSS SECTION**
FLANGE FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, SILL AND JAMB SIMILAR

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

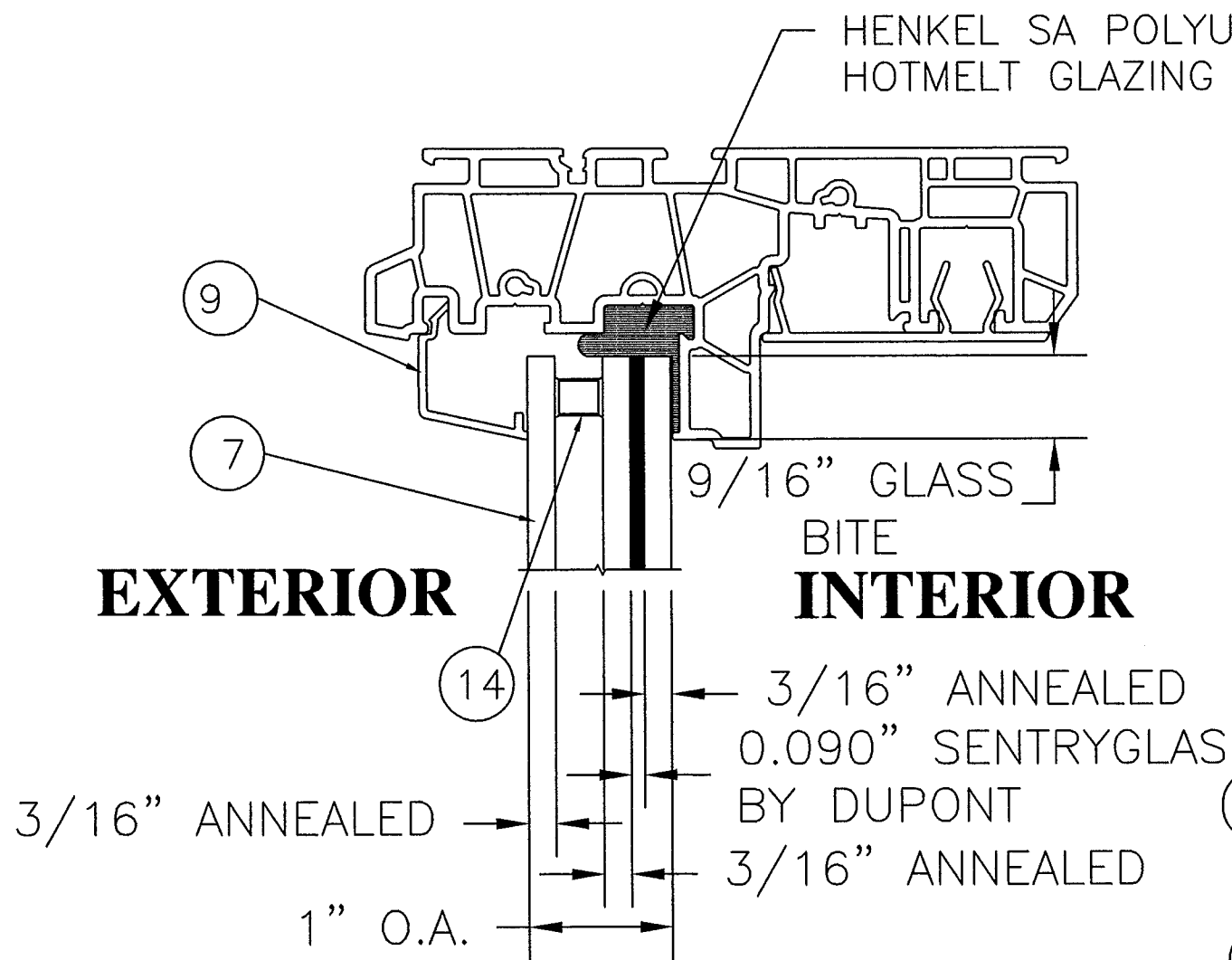
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
THRU FRAME INSTALLATION SECTIONS

DATE: 12/03/12
DRAWING NO: PELL0031
SHEET: 8 OF 11
DRAWN BY: JBH
SCALE: N.T.S.
REV: -
PTC PRODUCT DESIGN GROUP, LLC
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
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Email: info@pella-corp.com

Approved as complying with the
Florida Building Code
Date: 12/14/2013
NOA# 12-1219.04
Miami Dade Product Control
[Signature]

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



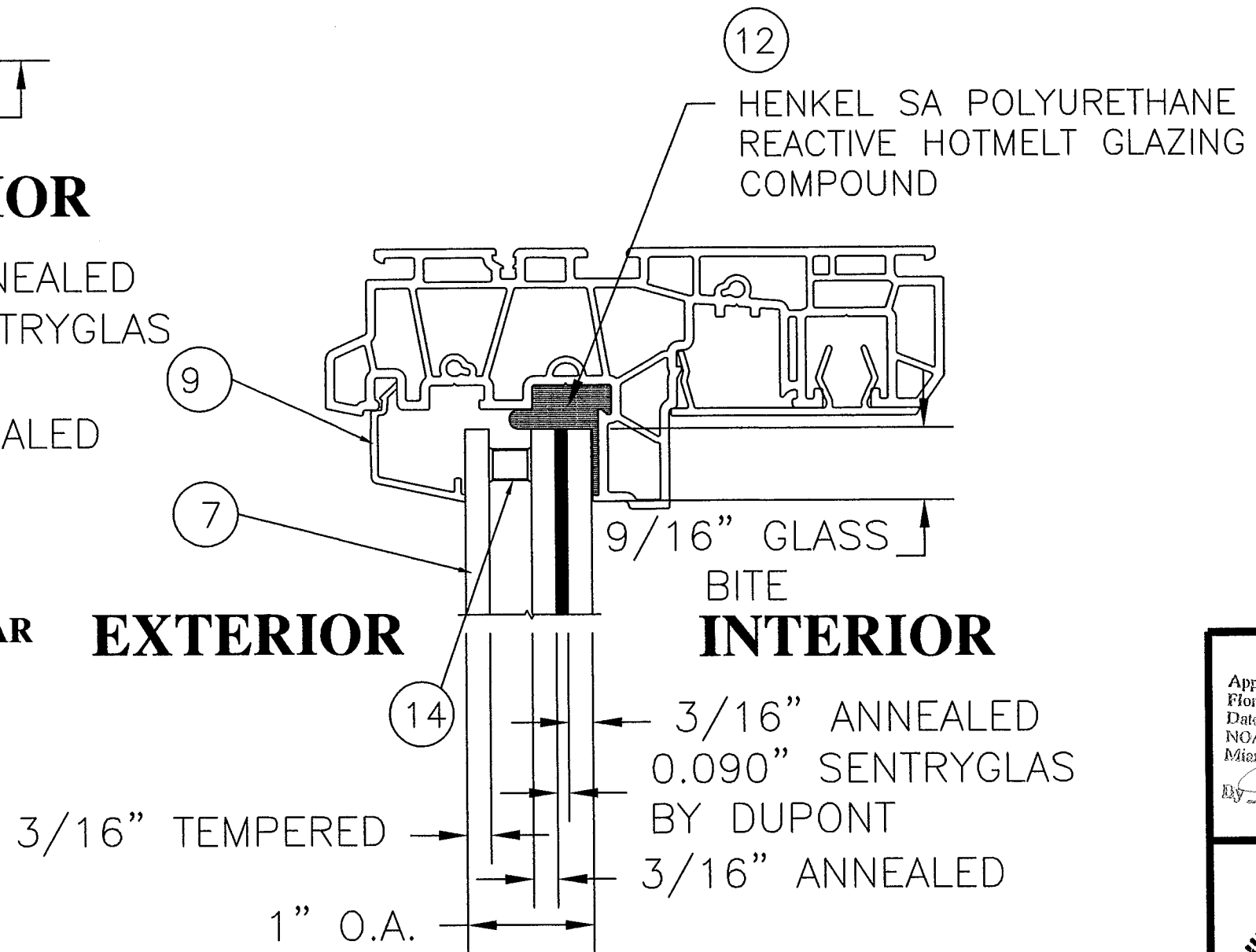


GLAZING DETAIL 1

BOX HEAD SHOWN - JAMBS AND SILL SIMILAR
FLANGE AND FIN FRAME SAME
(AS-TESTED)

GLAZING NOTES:

- 1) GLAZING DETAILS 1 AND 2 MEET LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.7.
- 2) GLAZING DETAIL 1 DOES NOT MEET SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHT GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.77.
- 3) GLAZING DETAIL 2 MEETS SMALL MISSILE REQUIREMENTS AT HEIGHTS GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.77.
- 4) A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF FIXED GLAZING LITES MORE THAN 3 FEET IN WIDTH IN ACCORDANCE WITH 2010 FBC, SECTION 2411.3.3.1.



GLAZING DETAIL 2

BOX HEAD SHOWN - JAMBS AND SILL SIMILAR
FLANGE AND FIN FRAME SAME
(AS-TESTED)

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

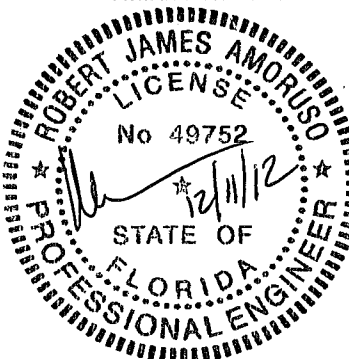
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
GLAZING DETAILS

DATE: 12/03/12
DRAWN BY: JBH
SCALE: N.T.S.
SHEET: 9 OF 11
PELLO0031

Approved as complying with the
Florida Building Code
Date: 12-3-12
NOA# 12-1219-03
Miami Date Product Control

By: [Signature]

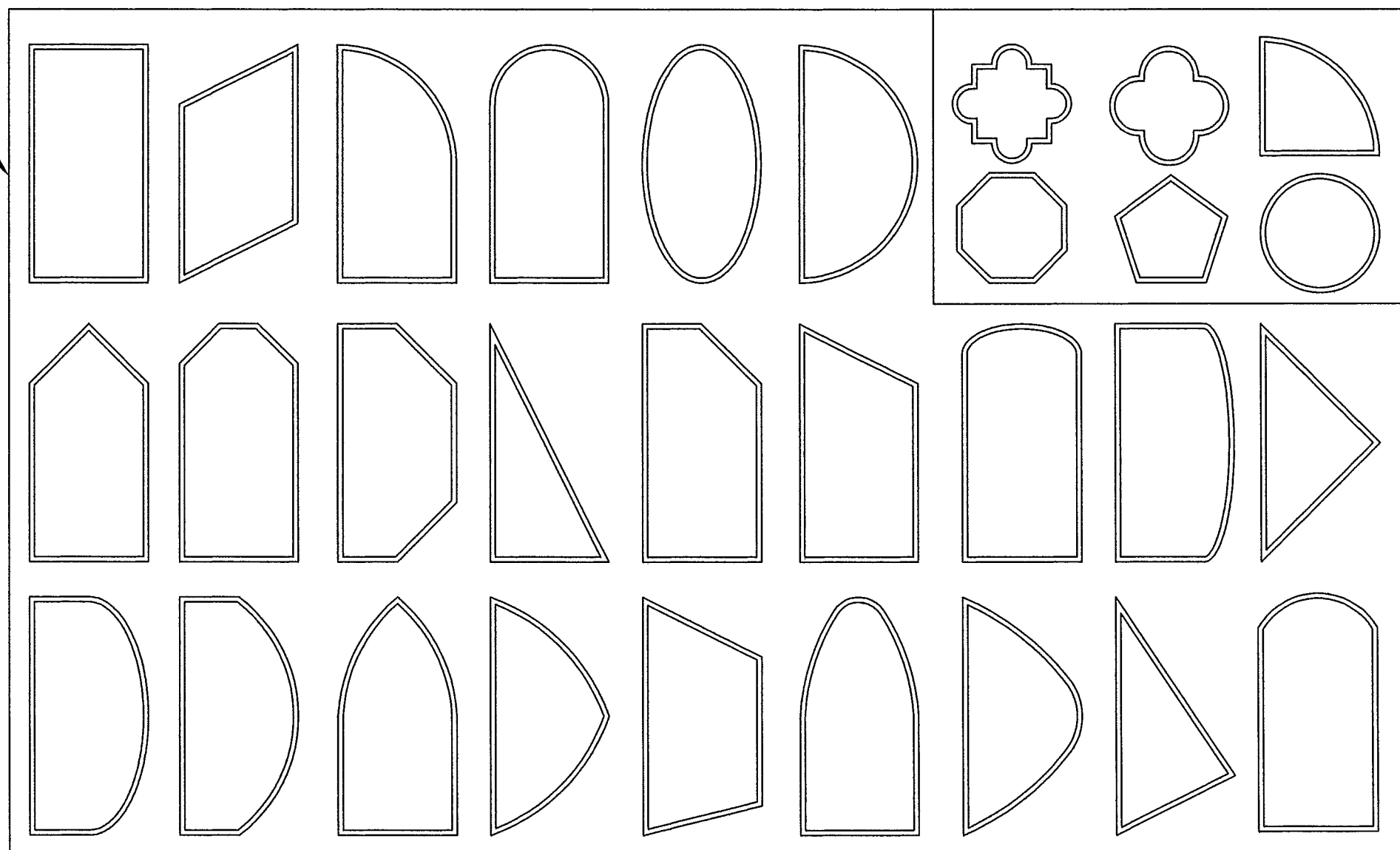
Robert J. Amoroso, P.E.
Florida P.E. No. 49752



RECTANGULAR
SHAPED
WINDOWS

APPROVED GEOMETRIC SHAPES

NON-RECTANGULAR
SHAPED
WINDOWS



1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE COMPATIBLE CORNER CONSTRUCTION DETAILS.
2. ALL GEOMETRIC SHAPES WILL HAVE A MAXIMUM SQUARE FOOTGAGE OF 38.8 SF AND WILL NOT EXCEED THE WIDTH AND HEIGHT OF THE TESTED AND APPROVED UNITS SHOWN ON SHEETS 3, 4 AND 5.

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

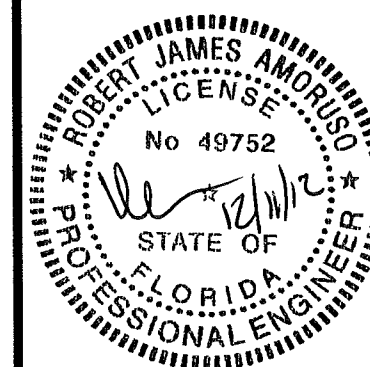
TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
APPROVED GEOMETRIC SHAPES

DATE:	12/03/12
DRAWING NO.:	PELL0031
SHEET:	10 OF 11
DRAWN BY:	JBH
SCALE:	N.T.S.
REV:	-

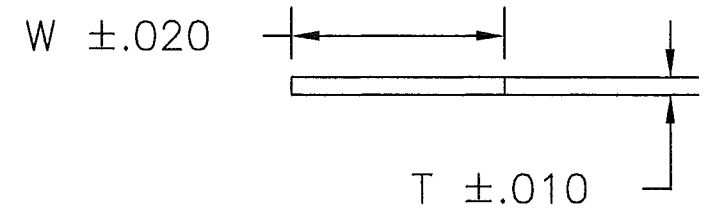
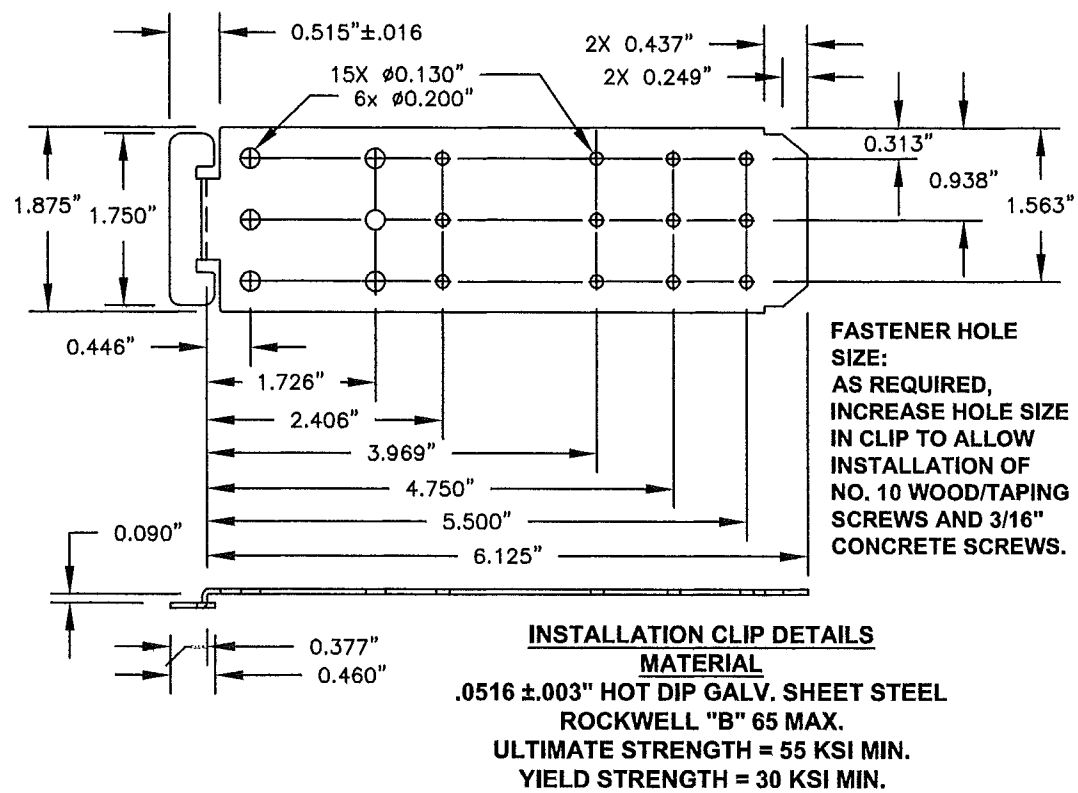
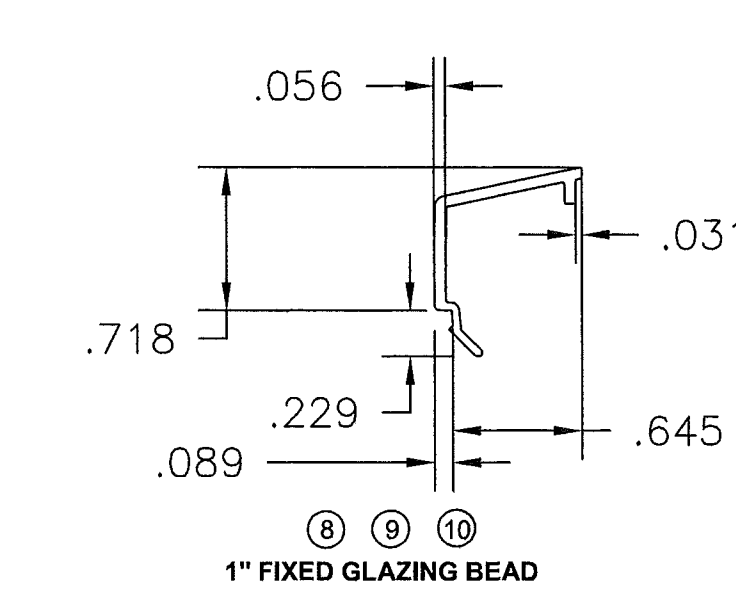
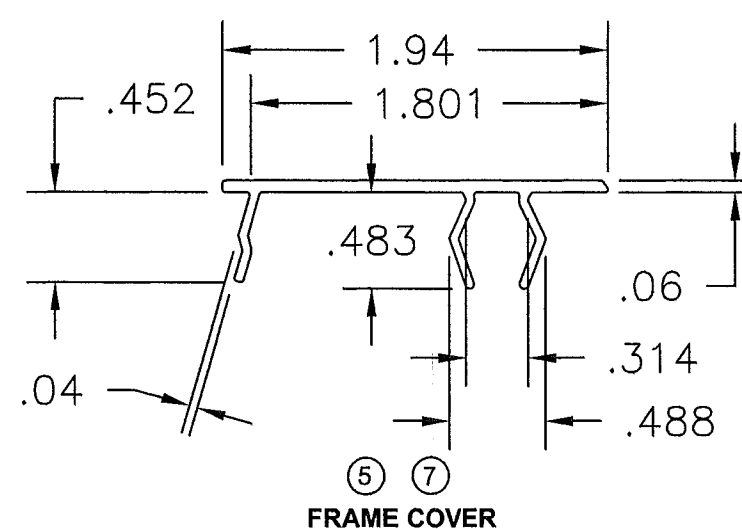
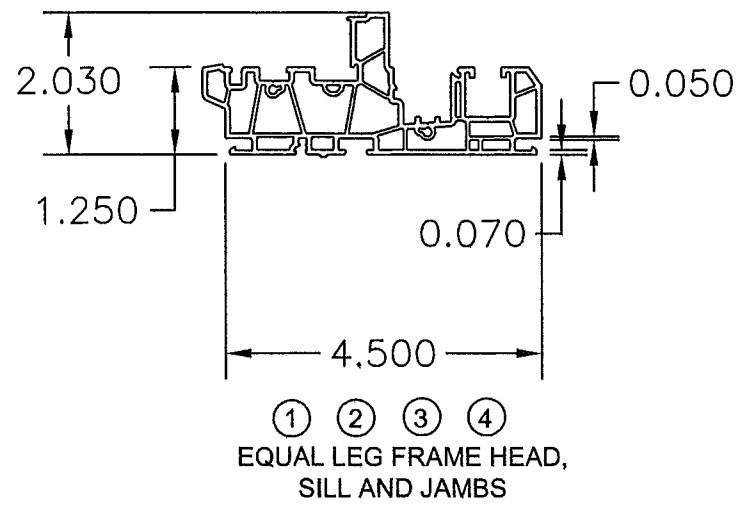
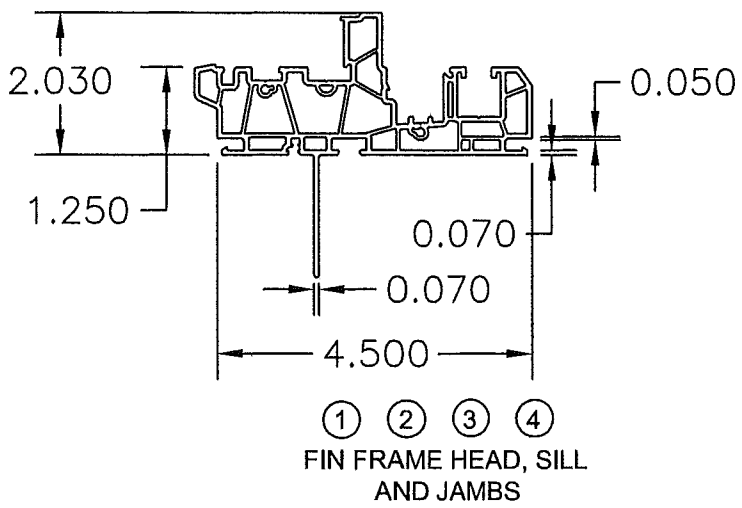
PTC PRODUCT DESIGN GROUP, LLC
10010 WOODLAND AVE
LONGWOOD, FLORIDA 32752
Phone: 321.890.1788
Fax: 321.890.1788
Email: info@ptc-corp.com

Approved as complying with the
Florida Building Code
Date: 12-12-12
NOA# 12-12-12
Miami Dade Product Control
By: [Signature]

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



BILL OF MATERIALS		
ITEM NO.	DESCRIPTION	QTY
1	FRAME SILL	1
2	FRAME HEAD	1
3	FRAME JAMB, LEFT	1
4	FRAME JAMB, RIGHT	1
5	FRAME COVER, WIDTH	2
6	FRAME COVER, HEIGHT	2
7	1" LAMINATED IG ASSEMBLY (DUPONT BUTACITE PVB)	1
	1" LAMINATED IG ASSEMBLY (DUPONT SENTRYGLAS)	1
8	1" FIXED GLAZING BEAD, RAIL, BOTTOM, WITH WEEPS	1
9	1" FIXED GLAZING BEAD, RAIL, TOP	1
10	1" FIXED GLAZING BEAD, STILE	2
11	SETTING BLOCK	8
12	HENKEL SA POLYURETHANE REACTIVE HOTMELT GLAZING COMPOUND	1
13	#8 X 1/2" PAN HEAD TAPPING SCREW	AS REQUIRED
14	9.8 MM (3/8") STAINLESS STEEL SPACER, CARDINAL GLASS	AS REQUIRED



⑪ SETTING BLOCK
MATERIAL: PVC
HARDNESS: SHORE A 80-90,
SHORE D 75-87
WIDTH AND THICKNESS VARY

PROJECT # 411-1201.09

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED SHAPED WINDOW - IMPACT
BILL OF MATERIAL AND COMPONENT DETAILS

PREPARED BY: J.B.H.
DATE: 12/03/12
DRAWING NO.: PELL0031
SCALE: N.T.S.
SHEET: 11 OF 11
REV: -

Approved as complying with the
Florida Building Code
Date: 12-12-13
NOAR 12-12-13
By: [Signature]

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

